

XXX
 :
 :
 :
 :
 :
 X Math@MUT XXXM5/1-6300106-00011XX
 TrigonometryExercise6 for No.11754

$$\begin{aligned}
 No1 &= \begin{bmatrix} .1 = (2 \sin(\theta) - 1 = 0) & .2 = (4 [\sin(\theta)]^2 - 1 = 0) \\ .3 = (\sin(2 \theta) = 0) & .4 = (\cos(3 \theta) = 1) \end{bmatrix} \\
 No2 &= \begin{bmatrix} .1 = (2 [\cos(\theta)]^2 - \cos(\theta) - 1 = 0) & .2 = (2 [\cos(\theta)]^2 - 3 \sin(\theta) - 3 = 0) \\ .3 = (2 [\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta) \sin(\theta) = \tan(\theta)) & .6 = (4 [\sin(\theta)]^3 - 3 \sin(\theta) = 0) \end{bmatrix} \\
 No3 &= \begin{bmatrix} .1 = (2 \sin(\theta) + 1 = 0) & .2 = (4 [\sin(\theta)]^2 - 3 = 0) \\ .3 = (\cos(2 \theta) = 0) & .4 = (\cos(4 \theta) = 1) \end{bmatrix} \\
 No4 &= \begin{bmatrix} .1 = (2 [\cos(\theta)]^2 - 3 \cos(\theta) + 1 = 0) & .2 = (2 [\cos(\theta)]^2 - \sin(\theta) - 1 = 0) \\ .3 = (2 [\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (2 \tan(\theta) \sin(\theta) = \tan(\theta)) & .6 = (4 [\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix} \\
 No5 &= \begin{bmatrix} .1 = (2 \cos(\theta) - 1 = 0) & .2 = (4 [\cos(\theta)]^2 = 3) \\ .3 = (2 \tan(\theta) \cos(\theta) = \tan(\theta)) & .4 = (3 [\tan(\theta)]^2 - 1 = 0) \end{bmatrix}
 \end{aligned}$$

XXX
 :
 :
 :
 :
 :
 X Math@MUT XXXM5/1-6300106-00012XX
 TrigonometryExercise6 for No.11841

$$\begin{aligned}
 No1 &= \begin{bmatrix} .1 = (2 \cos(\theta) - 1 = 0) & .2 = (4 [\cos(\theta)]^2 - 1 = 0) \\ .3 = (\sin(2 \theta) = 0) & .4 = (\cos(4 \theta) = 1) \end{bmatrix} \\
 No2 &= \begin{bmatrix} .1 = (2 [\sin(\theta)]^2 - 3 \sin(\theta) + 1 = 0) & .2 = (2 [\cos(\theta)]^2 - \sin(\theta) - 1 = 0) \\ .3 = (2 [\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (2 \tan(\theta) \sin(\theta) = \tan(\theta)) & .6 = (4 [\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix} \\
 No3 &= \begin{bmatrix} .1 = (2 \sin(\theta) + 1 = 0) & .2 = (4 [\sin(\theta)]^2 - 3 = 0) \\ .3 = (\sin(4 \theta) = 0) & .4 = (\cos(2 \theta) = 1) \end{bmatrix} \\
 No4 &= \begin{bmatrix} .1 = (2 [\cos(\theta)]^2 - \cos(\theta) - 1 = 0) & .2 = (2 [\cos(\theta)]^2 - 3 \sin(\theta) - 3 = 0) \\ .3 = (2 [\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta) \sin(\theta) = \tan(\theta)) & .6 = (4 [\cos(\theta)]^3 - 3 \cos(\theta) = 0) \end{bmatrix} \\
 No5 &= \begin{bmatrix} .1 = (2 \sin(\theta) - 1 = 0) & .2 = (4 [\cos(\theta)]^2 = 3) \\ .3 = (\tan(\theta) \cos(\theta) = \cos(\theta)) & .4 = ([\tan(\theta)]^2 - 3 = 0) \end{bmatrix}
 \end{aligned}$$

X [Page = 0006] XX
 :
 :
 :
 :
 :
 :
 :
 :
 :

$$\begin{aligned}
No1 &= \left[\begin{array}{ll} .1 = (2 \cos(\theta) - 1 = 0) & .2 = (4 [\sin(\theta)]^2 - 3 = 0) \\ .3 = (\cos(2\theta) = 0) & .4 = (\sin(3\theta) = 1) \end{array} \right] \\
No2 &= \left[\begin{array}{ll} .1 = (2 [\sin(\theta)]^2 - 3 \sin(\theta) + 1 = 0) & .2 = (2 [\sin(\theta)]^2 + \cos(\theta) - 1 = 0) \\ .3 = (2 [\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta) \cos(\theta) = \cos(\theta)) & .6 = (4 [\sin(\theta)]^3 - \sin(\theta) = 0) \end{array} \right] \\
No3 &= \left[\begin{array}{ll} .1 = (2 \sin(\theta) + 1 = 0) & .2 = (4 [\sin(\theta)]^2 - 1 = 0) \\ .3 = (\sin(4\theta) = 0) & .4 = (\cos(3\theta) = 1) \end{array} \right] \\
No4 &= \left[\begin{array}{ll} .1 = (2 [\cos(\theta)]^2 + \cos(\theta) - 1 = 0) & .2 = (2 [\cos(\theta)]^2 - 3 \sin(\theta) - 3 = 0) \\ .3 = (2 [\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta) \sin(\theta) = \tan(\theta)) & .6 = (4 [\sin(\theta)]^3 - 3 \sin(\theta) = 0) \end{array} \right] \\
No5 &= \left[\begin{array}{ll} .1 = (2 \sin(\theta) - 1 = 0) & .2 = (4 [\cos(\theta)]^2 = 1) \\ .3 = (2 \tan(\theta) \cos(\theta) = \tan(\theta)) & .4 = (3 [\tan(\theta)]^2 - 1 = 0) \end{array} \right]
\end{aligned}$$
$$\begin{aligned}
No1 &= \left[\begin{array}{ll} .1 = (2 \sin(\theta) + 1 = 0) & .2 = (4 [\cos(\theta)]^2 - 1 = 0) \\ .3 = (\sin(2\theta) = 0) & .4 = (\cos(2\theta) = 1) \end{array} \right] \\
No2 &= \left[\begin{array}{ll} .1 = (2 [\sin(\theta)]^2 - \sin(\theta) - 1 = 0) & .2 = (2 [\sin(\theta)]^2 - 3 \cos(\theta) - 3 = 0) \\ .3 = (2 [\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (2 \tan(\theta) \sin(\theta) = \tan(\theta)) & .6 = (4 [\sin(\theta)]^3 - \sin(\theta) = 0) \end{array} \right] \\
No3 &= \left[\begin{array}{ll} .1 = (2 \cos(\theta) - 1 = 0) & .2 = (4 [\sin(\theta)]^2 - 1 = 0) \\ .3 = (\sin(4\theta) = 0) & .4 = (\cos(3\theta) = 1) \end{array} \right] \\
No4 &= \left[\begin{array}{ll} .1 = (2 [\sin(\theta)]^2 - 3 \sin(\theta) + 1 = 0) & .2 = (2 [\sin(\theta)]^2 - \cos(\theta) - 1 = 0) \\ .3 = (2 [\cos(\theta)]^2 - \cos(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta) \sin(\theta) = \sin(\theta)) & .6 = (4 [\cos(\theta)]^3 - \cos(\theta) = 0) \end{array} \right] \\
No5 &= \left[\begin{array}{ll} .1 = (2 \sin(\theta) - 1 = 0) & .2 = (4 [\cos(\theta)]^2 = 3) \\ .3 = (2 \tan(\theta) \cos(\theta) = \tan(\theta)) & .4 = ([\tan(\theta)]^2 - 1 = 0) \end{array} \right]
\end{aligned}$$

$$\begin{aligned}
No1 &= \begin{bmatrix} .1 = (2 \cos(\theta) - 1 = 0) & .2 = (4 [\sin(\theta)]^2 - 3 = 0) \\ .3 = (\cos(3 \theta) = 0) & .4 = (\sin(2 \theta) = 1) \end{bmatrix} \\
No2 &= \begin{bmatrix} .1 = (2 [\cos(\theta)]^2 + \cos(\theta) - 1 = 0) & .2 = (2 [\sin(\theta)]^2 + \cos(\theta) - 1 = 0) \\ .3 = (2 [\cos(\theta)]^2 - \cos(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (2 \tan(\theta) \cos(\theta) = \tan(\theta)) & .6 = (4 [\sin(\theta)]^3 - \sin(\theta) = 0) \end{bmatrix} \\
No3 &= \begin{bmatrix} .1 = (2 \sin(\theta) + 1 = 0) & .2 = (4 [\sin(\theta)]^2 - 1 = 0) \\ .3 = (\sin(4 \theta) = 0) & .4 = (\sin(3 \theta) = 1) \end{bmatrix} \\
No4 &= \begin{bmatrix} .1 = (2 [\cos(\theta)]^2 + 3 \cos(\theta) + 1 = 0) & .2 = (2 [\cos(\theta)]^2 + 3 \sin(\theta) - 3 = 0) \\ .3 = (2 [\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta) \cos(\theta) = \tan(\theta)) & .6 = (4 [\sin(\theta)]^3 - 3 \sin(\theta) = 0) \end{bmatrix} \\
No5 &= \begin{bmatrix} .1 = (2 \sin(\theta) - 1 = 0) & .2 = (4 [\cos(\theta)]^2 = 1) \\ .3 = (\tan(\theta) \cos(\theta) = \cos(\theta)) & .4 = ([\tan(\theta)]^2 - 3 = 0) \end{bmatrix}
\end{aligned}$$
$$\begin{aligned}
No1 &= \left[\begin{array}{ll} .1 = (2 \sin(\theta) + 1 = 0) & .2 = (4 [\cos(\theta)]^2 - 3 = 0) \\ .3 = (\sin(3 \theta) = 0) & .4 = (\cos(2 \theta) = 1) \end{array} \right] \\
No2 &= \left[\begin{array}{ll} .1 = (2 [\sin(\theta)]^2 + \sin(\theta) - 1 = 0) & .2 = (2 [\sin(\theta)]^2 + 3 \cos(\theta) - 3 = 0) \\ .3 = (2 [\cos(\theta)]^2 - \cos(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (2 \tan(\theta) \cos(\theta) = \tan(\theta)) & .6 = (4 [\sin(\theta)]^3 - \sin(\theta) = 0) \end{array} \right] \\
No3 &= \left[\begin{array}{ll} .1 = (2 \cos(\theta) - 1 = 0) & .2 = (4 [\sin(\theta)]^2 - 1 = 0) \\ .3 = (\cos(3 \theta) = 0) & .4 = (\sin(2 \theta) = 1) \end{array} \right] \\
No4 &= \left[\begin{array}{ll} .1 = (2 [\sin(\theta)]^2 - \sin(\theta) - 1 = 0) & .2 = (2 [\cos(\theta)]^2 - 3 \sin(\theta) - 3 = 0) \\ .3 = (2 [\cos(\theta)]^2 + \cos(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta) \sin(\theta) = \sin(\theta)) & .6 = (4 [\cos(\theta)]^3 - \cos(\theta) = 0) \end{array} \right] \\
No5 &= \left[\begin{array}{ll} .1 = (2 \sin(\theta) - 1 = 0) & .2 = (4 [\sin(\theta)]^2 = 3) \\ .3 = (\tan(\theta) \sin(\theta) = \tan(\theta)) & .4 = (3 [\tan(\theta)]^2 - 1 = 0) \end{array} \right]
\end{aligned}$$

$$\begin{aligned}
No1 &= \left[\begin{array}{ll} .1 = (2 \sin(\theta) - 1 = 0) & .2 = (4 [\sin(\theta)]^2 - 1 = 0) \\ .3 = (\sin(2\theta) = 0) & .4 = (\sin(3\theta) = 1) \end{array} \right] \\
No2 &= \left[\begin{array}{ll} .1 = (2 [\sin(\theta)]^2 - 3 \sin(\theta) + 1 = 0) & .2 = (2 [\cos(\theta)]^2 + \sin(\theta) - 1 = 0) \\ .3 = (2 [\cos(\theta)]^2 + \cos(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (2 \tan(\theta) \sin(\theta) = \tan(\theta)) & .6 = (4 [\sin(\theta)]^3 - 3 \sin(\theta) = 0) \end{array} \right] \\
No3 &= \left[\begin{array}{ll} .1 = (2 \cos(\theta) - 1 = 0) & .2 = (4 [\cos(\theta)]^2 - 3 = 0) \\ .3 = (\sin(4\theta) = 0) & .4 = (\cos(2\theta) = 1) \end{array} \right] \\
No4 &= \left[\begin{array}{ll} .1 = (2 [\cos(\theta)]^2 + 3 \cos(\theta) + 1 = 0) & .2 = (2 [\cos(\theta)]^2 - \sin(\theta) - 1 = 0) \\ .3 = (2 [\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta) \cos(\theta) = \cos(\theta)) & .6 = (4 [\cos(\theta)]^3 - \cos(\theta) = 0) \end{array} \right] \\
No5 &= \left[\begin{array}{ll} .1 = (2 \sin(\theta) + 1 = 0) & .2 = (4 [\sin(\theta)]^2 = 3) \\ .3 = (2 \tan(\theta) \cos(\theta) = \tan(\theta)) & .4 = (3 [\tan(\theta)]^2 - 1 = 0) \end{array} \right]
\end{aligned}$$
$$\begin{aligned}
No1 &= \begin{bmatrix} .1 = (2 \cos(\theta) - 1 = 0) & .2 = (4 [\cos(\theta)]^2 - 3 = 0) \\ .3 = (\sin(3 \theta) = 0) & .4 = (\sin(2 \theta) = 1) \end{bmatrix} \\
No2 &= \begin{bmatrix} .1 = (2 [\cos(\theta)]^2 - \cos(\theta) - 1 = 0) & .2 = (2 [\sin(\theta)]^2 + 3 \cos(\theta) - 3 = 0) \\ .3 = (2 [\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta) \cos(\theta) = \tan(\theta)) & .6 = (4 [\cos(\theta)]^3 - 3 \cos(\theta) = 0) \end{bmatrix} \\
No3 &= \begin{bmatrix} .1 = (2 \sin(\theta) + 1 = 0) & .2 = (4 [\sin(\theta)]^2 - 3 = 0) \\ .3 = (\cos(2 \theta) = 0) & .4 = (\cos(3 \theta) = 1) \end{bmatrix} \\
No4 &= \begin{bmatrix} .1 = (2 [\cos(\theta)]^2 + 3 \cos(\theta) + 1 = 0) & .2 = (2 [\sin(\theta)]^2 - \cos(\theta) - 1 = 0) \\ .3 = (2 [\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta) \cos(\theta) = \cos(\theta)) & .6 = (4 [\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix} \\
No5 &= \begin{bmatrix} .1 = (2 \sin(\theta) - 1 = 0) & .2 = (4 [\cos(\theta)]^2 = 1) \\ .3 = (2 \tan(\theta) \sin(\theta) = \tan(\theta)) & .4 = ([\tan(\theta)]^2 - 1 = 0) \end{bmatrix}
\end{aligned}$$

$$\begin{pmatrix} \vdots \\ \vdots \\ \vdots \\ \vdots \end{pmatrix}$$

TrigonometryExercise6 for No.13411

$$NoI = \begin{bmatrix} .I = (2 \sin(\theta) + 1 = 0) & .2 = (4 [\cos(\theta)]^2 - 3 = 0) \\ .3 = (\cos(4 \theta) = 0) & .4 = (\cos(2 \theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2 [\sin(\theta)]^2 - \sin(\theta) - 1 = 0) & .2 = (2 [\cos(\theta)]^2 + 3 \sin(\theta) - 3 = 0) \\ .3 = (2 [\cos(\theta)]^2 + \cos(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta) \sin(\theta) = \sin(\theta)) & .6 = (4 [\sin(\theta)]^3 - 3 \sin(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2 \sin(\theta) - 1 = 0) & .2 = (4 [\sin(\theta)]^2 - 1 = 0) \\ .3 = (\sin(2 \theta) = 0) & .4 = (\sin(3 \theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2 [\cos(\theta)]^2 + 3 \cos(\theta) + 1 = 0) & .2 = (2 [\cos(\theta)]^2 - \sin(\theta) - 1 = 0) \\ .3 = (2 [\cos(\theta)]^2 - \cos(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (2 \tan(\theta) \sin(\theta) = \tan(\theta)) & .6 = (4 [\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2 \cos(\theta) - 1 = 0) & .2 = (4 [\sin(\theta)]^2 = 3) \\ .3 = (\tan(\theta) \sin(\theta) = \tan(\theta)) & .4 = ([\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

>